



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 09/841,492

Filing Date: April 24, 2001

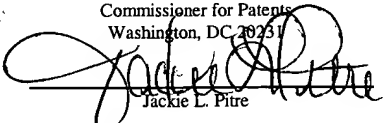
Inventors: Karanikas et al.

Title: IN SITU THERMAL  
PROCESSING OF A  
HYDROCARBON  
CONTAINING FORMATION  
WITH CARBON DIOXIDE  
SEQUESTRATION

Examiner: J. J. Kreck

Group/Art Unit: 3673

Atty. Dkt. No.: 5659-08000/EBM

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**RESPONSE TO OFFICE COMMUNICATION MAILED MARCH 7, 2003**

Box: Non-Fee Amendment  
Commissioner for Patents  
Washington, D.C. 20231

Sir:

The Examiner requested a clean copy of amended claims 4904, 4906, 4911, 4913, 4918, and 4923. Below is a clean copy of the requested claims.

4904. (amended) A method of sequestering carbon dioxide within a hydrocarbon containing formation, comprising:

providing heat from one or more heaters to a portion of the formation to increase a permeability of the portion such that the permeability is substantially uniform;

allowing the portion to cool; and

storing carbon dioxide in the portion.

4906. (amended) The method of claim 4904, further comprising raising a water level in the portion to inhibit migration of the carbon dioxide from the portion.

4911. (amended) The method of claim 4910, wherein at least one of the one or more heaters comprises an electrical heater.

4913. (amended) The method of claim 4904, wherein providing heat from one or more of the heaters to the portion comprises circulating heat transfer fluid through one or more heating wells in the formation.

4918. (amended) The method of claim 4904, wherein at least a portion of the stored carbon dioxide was used for enhanced oil recovery prior to storing the carbon dioxide within the portion.

4923. (amended) The method of claim 4904, wherein storing carbon dioxide in the portion comprises adsorbing carbon dioxide onto hydrocarbon containing material within the formation.

Respectfully submitted,



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